Solutions:

1. 12 + 24 = 6(2) + 6(4) or 12(1) + 12(2)

36 = 6(2 + 4) 12 (1 + 2)

36 = 6 (6) 12 (3)

36 = 36 ✓ 36

1. 20 + 10 = 5(4) + 5(2) or 10(2) + 10(1)

30 = 5(4 +2) 10(2 + 1)

30 = 5(6) 10(3)

30 = 30✓ 30

1. 14 + 21 = 7(2) + 7(3)

35 = 7(2 + 3)

35 = 7(5)

35 = 35✓

1. How can you use the distributive property to solve the following problem? Explain and demonstrate.

Each ticket to a play cost $27. How much will it cost to buy 4 tickets?

Since each ticket cost $4 this is the number that will be distributed.

27 needs to be taken apart as the sum of two numbers 13 + 14

4(13 + 14)

4(13) + 4(14)

52 + 56 = 108